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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,028	12/22/2004	Michael Dwayne Knox	PU020313	7675
24498	7590	06/30/2008	EXAMINER	
Joseph J. Laks Thomson Licensing LLC 2 Independence Way, Patent Operations PO Box 5312 PRINCETON, NJ 08543			HSIA, SHERRIE Y	
			ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/519,028	Applicant(s) KNOX, MICHAEL DWAYNE	
	Examiner Sherrie Hsia	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-19 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-10 and 13-19 is/are rejected.
- 7) Claim(s) 11 and 12 is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 December 2004 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. ____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: On page 9 line 12, "404" and "409". On page 7 lines 3, 6, 14, 15, 17 and 20, "display processor (46)", "61" and "69". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities:

On page 3 line 18, page 4 lines 6 and 11, "26" should be --32--.

On page 3 lines 20 and 23, page 4 line 8, page 7 line 5, "28" should be --46--.

On page 4 lines 5, 9, 12, 13 and 20, page 5 lines 1 and 3, "32" should be --26--.

On page 4 lines 9 and 10, "34" should be --36--.

On page 4 lines 10 and 11, page 5 line 8, page 6 lines 20 and 22, "36" should be --34--.

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On page 4 lines 14, 17 and 22, page 6 line 22, "38" should be --28--.

On page 4 lines 20 and 21, "40" should be --38--.

On page 4 lines 21-23, page 5 lines 6 and 8, page 6 lines 5, 12 and 14, "42" should be --40--.

On page 5 line 14, page 6 lines 4, 7, 10 and 13, page 7 lines 2, 5 and 14, "44" should be --42--.

On page 11 lines 4 and 20, page 12 line 20, page 13 line 2, "350" should be --360--.

Appropriate correction is required.

Claim Objections

3. Claims 11-13 are objected to because of the following informalities:

In claim 11, line 2, the dependency is incorrect. "1" should be --8--.

In claim 12, line 2, the dependency is incorrect. "4" should be --11--.

In claim 13, line 5, "422" should be deleted.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 7-10 and 13-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyazaki (5883676).

As to claim 1, Miyazaki discloses the claimed subject matter, the claimed disabling a first memory and a second memory is met by the microcomputer 114 which output disable signals to VRAMs 120a and 120b (Fig. 15, column 8 line 60-column 12 line 7), the claimed switching is met by the MUX 122 (Fig. 15, column 9 line 8-column 12 line 7) and the claimed enabling the first memory and the second memory is met by the microcomputer which output enable signals to VRAMs 120a and 120b (Fig. 15, column 8 line 60-column 12 line 7).

As to claims 2 and 3, the claimed limitations are disclosed by Miyazaki (Fig. 15, column 9 line 61-column 12 line 23).

As to claim 7, the claimed limitation is disclosed by Miyazaki (column 8 line 60-column 12 line 7).

As to claim 8, Miyazaki discloses the claimed subject matter, the claimed detecting is met by the microcomputer 114 (column 9 line 61-column 12 line 23), the claimed writing is met by the microcomputer 114 (Fig. 15, column 8 line 60-column 12 line 7), the claimed disabling the first memory is met by the microcomputer 114 which output a disable signals to VRAM 120a (Fig. 15, column 8 line 60-column 12 line 7), the claimed switching is met by the MUX 122 (Fig. 15, column 9 line 8-column 12 line 7) and the claimed enabling the first memory is met by the microcomputer which output a enable signal to VRAM 120a (Fig. 15, column 8 line 60-column 12 line 7).

As to claims 9 and 10, the claimed limitations are disclosed by Miyazaki (Fig. 15, column 9 line 61-column 12 line 23).

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As to claims 13 and 18, Miyazaki discloses the claimed subject matter, the claimed first memory is met by the VRAM 120a (Fig. 15), the claimed second memory is met by the VRAM 120b (Fig. 15), the claimed switch is met by the MUX 122 (Fig. 15) and the claimed bank switching device is met by the microcomputer 114 (Fig. 15, column 8 line 60-column 12 line 7) (see Fig. 15, column 8 line 60-column 12 line 23).

As to claims 14 and 15, the claimed limitations are disclosed by Miyazaki (Fig. 15, column 9 line 61-column 12 line 23).

As to claim 16 and 17, the claimed limitations are disclosed by Miyazaki (column 8 line 60-column 12 line 23).

As to claim 19, the claimed limitation is inherently disclosed by Miyazaki (Fig. 15).

5. Claims 1-6 and 13-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Yeh (6411334).

As to claim 1, Yeh discloses the claimed subject matter, the claimed disabling a first memory and a second memory is met by the horizontal register units 430-432 (Fig. 4), the claimed switching is met by the pixel MUX (Fig. 7, column 4 lines 19-24) and the claimed enabling the first memory and the second memory is met by the horizontal register units 430-432 (Fig. 4) (see Figs.1, 2, 4, 6, 7, column 4 lines 19-24, column 6 lines 14-26, column 8 line 25-column 9 line 4, column 11 lines 51-65).

As to claims 2 and 3, the claimed limitations are disclosed by Yeh (Fig.2, column 4 lines 19-24).

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As to claim 4, the claimed video filter is met by the VFilter 336, 338 (Fig. 3B).

As to claims 5 and 6, the claimed limitations are disclosed by Yeh (Figs. 4-7).

As to claims 13 and 18, Yeh discloses the claimed subject matter, the claimed first memory is met by the horizontal register unit 430 or 431 or 432 (Fig. 4), the claimed second memory is met by the horizontal register unit 430 or 431 or 432 (Fig. 4), the claimed switch is met by the pixel MUX (Fig. 7, column 4 lines 19-24) and the claimed bank switching device is met by the control unit and the sync unit 260 (Figs. 2 and 4) (see Figs. 1, 2, 4, 6, 7, column 4 lines 19-24, column 6 lines 14-26, column 8 line 25-column 9 line 4, column 11 lines 51-65).

As to claims 14 and 15, the claimed limitations are disclosed by Yeh (Fig. 2, column 4 lines 19-24).

As to claims 16 and 17, the claimed limitations are disclosed by Yeh (Figs. 4-7).

As to claim 19, the claimed limitation is disclosed by Yeh (Figs. 1, 110).

Allowable Subject Matter

6. Claims 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Yamamoto (6975323) discloses a video data transfer system.

Kang (6404458) shows an apparatus for converting screen aspect ratio.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherrie Hsia whose telephone number is (571) 272-7347.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571) 272-7564.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Or faxed to:

(571) 273-8300

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service Office whose telephone number is (571) 272-1000.

/Sherrie Hsia/
Primary Examiner
Art Unit 2622

SH
June 22, 2008